

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application:

Application No.: 09/827,106

Filed: April 5, 2001

Title: MATRIX FORM SEMICONDUCTOR PACKAGE SUBSTRATE HAVING AN  
ELECTRODE OF SERPENTINE SHAPE

Reel/frame No.: 011686/0597

Commissioner for patents  
Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST  
(REVOCATION OF PRIOR POWERS)

REVOCATION OF PRIOR POWERS OF ATTORNEY

the power of attorney previously given is hereby revoked, and

NEW POWER OF ATTORNEY

the following attorneys/agents are hereby appointed to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: I hereby appoint all attorneys of Thomas, Kayden, Horstemeyer & Risley, LLP, who are listed under the USPTO Customer Number shown below as the attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, recognizing that the specific attorneys listed under that Customer Number may be changed from time to time at the sole discretion of Thomas, Kayden, Horstemeyer & Risley, LLP, and request that all correspondence about the application be addressed to the address filed under the same USPTO Customer Number:

**000047390**

Patent Trademark Office

Please direct all correspondence and telephone calls to:

Daniel R. McClure, Reg. No. 38,962  
**THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P.**  
100 Galleria Parkway, Suite 1750  
Atlanta, Georgia 30339  
770-933-9500

ASSIGNEE OF ENTIRE INTEREST

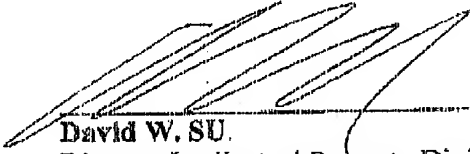
**TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.**  
8, Li-Hsin Rd. 6  
Hsinchu Science Park  
Hsinchu, Taiwan 300-77, R.O.C.

TSMC2000-0207/0503-A32719US

**ASSIGNEE CERTIFICATION**

The certification under 37 C.F.R. §3.73(b) establishing the right of assignee to take action is attached hereto along with documentation evidencing same. Further, in my official position with Taiwan Semiconductor Manufacturing Company, Ltd., I am authorized to sign documents and otherwise act on its behalf in connection with the management and handling of patent applications and other intellectual property matters.

Date: May 20, 2007

  
\_\_\_\_\_  
David W. SU.  
Director-Intellectual Property Division

TSMC2000-0207/0503-A327190S